

127th Hinode SSC Meeting on 31st August, 2017 at 07:00 JST

Short Summary, Conclusions and Actions

a. Program Status

1. Instrument Status Review

SOT operating without its Filtergraph (FG) camera following an electronic fault. Spectro-Polarimeter (SP) and Correlation Tracker (CT) are nominal.

XRT is nominal.

EIS is nominal. Bakeout took place from **8th** through **11th August**. 40% recovery of hot pixels but no change in warm pixel number. A four to five day bakeout will be planned during December.

Note need to avoid **HOP 335** window from **12th** through **15th December**

2. Report on Changes to Instrument Telemetry Allocation

There are no further reports on telemetry allocation changes

3. FM Calendar

Hinode began normal mode operation on **8th August** and will continue in normal mode through **20th November**.

4. HOP Prioritisation

SSC asked by **SWG** to prioritise HOPs i) with associated ground-based observations that were overlapping in a time zone and ii) in cases that generated mission telemetry use conflicts.

ACTION: Culhane to ensure that such cases were highlighted in SSC meeting notes; Ongoing

b. Previous Action Items

Savage updated the SOT support request for **HOP 173** which has since been run successfully.

Tarbell has submitted an updated request for a HOP 323 re-run (see section d)

c. Review/Discussion of Open HOPs and ToOs

- **XRT** movies for **21st August** total eclipse were very successful; they have been released to Japanese media;

ACTION: Elrod will inquire if NASA have released the movies to media

- routine **HOPs 130, 79** and **81** were run as planned during **July** and **August**
- **HOP 336** had its final run on **28th August**
- **HOP 206**, planned to run from **23rd August** through **19th September**, will also be run on **22nd September**
- **HOP 342**, a late request, was run successfully from **26th** to **31st August**.

d. Review of New or Updated Proposals and Scheduling of Observations

1. SST-IRIS-Hinode Campaign - Tarbell (tarbell@lmsal.com), Shine/SSC (shine@lmsal.com); HOP 323

- obtain very high cadence, high spatial resolution observations of the photosphere & chromosphere with SST to accompany the IRIS and Hinode spectra and images to study chromospheric heating in ARs and quiet sun and the origin of RBEs/RREs/jets in quiet sun
- a re-run of this HOP was again requested; targets and additional science goals will be further discussed at the September SSC meeting; preferred EIS studies will be specified by **Hansteen** and **Tarbell**
- dates: **2nd - 15th October**; time window: **07:45 UT - 11:00 UT** for optimum SST seeing; CHROMIS instrument now available at SST

2. Searching for Non-Maxwellian Distributions with EIS and IRIS (without COMP): Coordinated Observations of Fe XII Off-limb - Dudik (gd232@damtp.cam.ac.uk); Polito, Dzifcakova, Young, De Pontieu, Mason, Savage/SSC; ToO HOP 343

- modified version of **HOP 316**; does not include ground-based observations with COMP
- target will be a limb AR; proposers will select target from SDO and Stereo-A observations
- proposers should specify if SAA-free time is required and if so, add comment to HOP description
- SOT team can make additional telemetry available if required

3. Polar Panorama Map for Polar Reversal in Cycle 24 – Shimojo(shimojo@nro.nao.jp); HOP 206

- target will be North polar region; obtain data for North Pole
- add one additional observation day (22nd September)
- schedule every three days during **August/September**; start **23rd August**; end **22nd September**

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **6th September** (S pole fast); **8th September** (N pole deep); runs during normal mode
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **14th September** (N/S only); runs during normal mode
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **12th September**; runs during normal mode

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **SOT Team** by **9th November**
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous chart
- provide one summary slide for Hinode team management at MSFC and two additional slides for NASA HQ

f. Date of Next Meeting

- next meeting: **28th September, 2017** at **07:00 JST**; **27th September, 2017** as appropriate in US/Europe

g. AOB

1. Senior Review Panel meeting is scheduled for the week beginning **30th October**. **Elrod, Savage** and **Tarbell** will attend the meeting on behalf of the Hinode team.

2. Tarbell circulated a plan for a two week **IRIS** observation for limb-to-limb tracking of a quiet sun region. Since the meeting, this plan has changed to limb-to-limb tracking of an incoming AR and will run from September 1st to **September 15th**. Hinode participation when possible is welcome.

3. Reeves reminded the SSC of the need to discuss possible focus mode observations that would advance the aims for future work specified in the senior review document. It was agreed that the topic should be added to the agenda for the next SSC meeting and that in the meantime, members should review the senior review document which has been circulated.